

Lesson Classification: UNCLASSIFIED

Lesson ID: 50753-01919

Title: COMM CAPABILITIES/AUGMENTATION NEEDED DURING OPERATION
RESTORE HOPE

Operation/Exercise Name: RESTORE HOPE

Observed: 28 Apr 1993

Originator: MCCDC CALLP TM

POC: MCCDC WDID(C391) Commercial: (703)640-4914 DSN: 2784913

5. (U) OBSERVATION:

The MEF required extensive communications
augmentation to function as a JTF

6. () DISCUSSION:

7. () LESSON LEARNED:

8. () RECOMMENDED ACTION:

9. (%) COMMENTS:

The MEF required extensive communications
augmentation to function as a JTF

6. (U) DISCUSSION: JCS-controlled assets/units were requested
by USCENTCOM, in coordination with I MEF (CJTF SOMALIA). A MOP-3 was
submitted and approved for the following items from the Joint Communications Support
Element (JCSE), MacDill AFB, FL:

EQUIPMENT	QUANTITY
AN/TSC-85B	2
AN/TSC-93B	2
AN/TCC-39	1
AN/TYC-39	1
BLAZER COMM PACKAGE: LST-8000 w/UHF-SCR, MART, FAX, and STU-IIIs	1
LEVEL ONEs: (TWO UHF-SCR PACKAGE)	4
MARTS (AUTODIN TERMINALS/ UYK-85's	8

AN/TSQ-111 (CNCE) C3 SUPPORT
TEAM TELEPHONES (DSVT/DNVT) 1

All above systems were employed in support of this Operation. No support problems were experienced with the JCSE assets.

I MEF (9th CommBn) communications assets employed...
CJTF employed the following I MEF (9th Communication Battalion) assets in Joint systems support.

EQUIPMENT	JTF RESTORE HOPE	MARFOR SOMALIA
AN/TSC-85B	1	0
AN/TSC-93B	2	2
AN/MRC-142	6	0
SB-3865	6	3
AN/UYK(AUTODIN TERMINALS)	4	2
AN/UYK (C2 WAN TERMINALS)	7	0
AN/MRC-138	7	2
AN/PRC-104	6	2
AN/PSC-3-*	28	11

* INCLUDES ALL UHF SCR (PSC-3, LST-5, LSSC-200, URC-104,

MRC-140)

9th Communication Battalion provided the additional following support:

SUPPORT PROVIDED:

Cable and telephones

TO...

JTF J-1, J-4, JVB, Canadian forces, ARFOR, MARFOR

REMARKS

Support provided during the early stages of the operation (before ARFOR and MARFOR assets arrived in country).

SUPPORT PROVIDED:

All message center support

TO...

JTF Joint Support Command, ARFOR

REMARKS

Prior to transition to ARFOR support for the comm/message

center. (ARFOR cutover not accomplished as of 25 Jan 93)

Major support problems with 9th Communication Battalion assets included:

- MRC-142 (related to use before fielding of spares)
- SB-3865 (related to shipment of float block)
- GMF (related to shipment of float block)
- AN/TTC-42 (related to shipment of float block)

Organic circuit switching was not adequate for support of Marine forces. The Marine Unit Level Circuit Switch (ULCS) system does not have the capability, among other things, to terminate analog (STU-III) telephone lines. To provide this service to key (General) Officers, "long-local" service from AN/TTC-39's had to be extended and/or hybrid digital/analog switches using SB-3865's and SB-3614's had to be created.

Software problems precluded extension of DSN (AUTOVON) services into the ULCS network. Once extended, ULCS SB-3865's could not be restricted from service. Call completion rates dropped from 80-90% to less than 20% as the force could not centrally control use. Once the ULCS was restricted, completion rates stabilized.

Personnel experienced problems with completing secure (DSVT) calls off of SB-3865's tied to TTC-39's over GMF links.

Comm personnel continued to experience processor failures with the TTC-42 and problems with encrypting trunks using MODEM #1 on the TTC-42 to TTC-39's.

Processor failures are pointing to corrupted data tapes in the TTC-42. MODEM #1 problems have yet to be resolved. Reports generated by the TTC-42 are next to useless in analyzing network performance and system health. TTC-42 status reports need to comply with TRITAC (JCS PUB 6-05) requirements.
(Discussion continued in subsequent MCLL)

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